

AMENDMENTS TO THE SPECIFICATION

The amendments to the specified portions of the specification will replace all previous versions of that portion of the specification. No new matter has been introduced by way of the amendments to the specification. Current additions are noted with underlined text. Current deletions are indicated by text ~~striketrough~~ or ~~[[double bracketing]]~~.

Please replace paragraph [0045] on page 11 with the following replacement paragraph. Amended paragraph [0045] clarifies that anilines **7a – 12a** may also be used in the embodiments illustrated in Scheme 1. Support for the amendment may be found in paragraph [0046] and Figure 2.

[0045] In some embodiments, the present invention is directed to methods (processes) involving the following steps: (a) dispersing oxidatively-treated SWNTs with stirring in oleum to form a dispersion/solution; (b) filtering the dispersion/solution over glass wool to remove any impurities; (c) adding an aniline of choice to form a reaction mixture; (d) cautiously adding sodium nitrite (or other suitable nitrite species), followed by a radical source, to the reaction mixture; and (e) heating and stirring the mixture for one hour; diluting the mixture with water, after which it is filtered and washed with acetone. The resultant solid (functionalized SWNTs) can then be suspended in water and filtered again to remove impurities. Such embodiments are illustrated in Scheme 1 (FIGURE 1), wherein compounds **1a-6a** are anilines used to form functionalized SWNTs **1b-6b**. In addition, anilines **7a – 12a** may be used in the embodiments illustrated in Scheme 1 (FIGURE 1).